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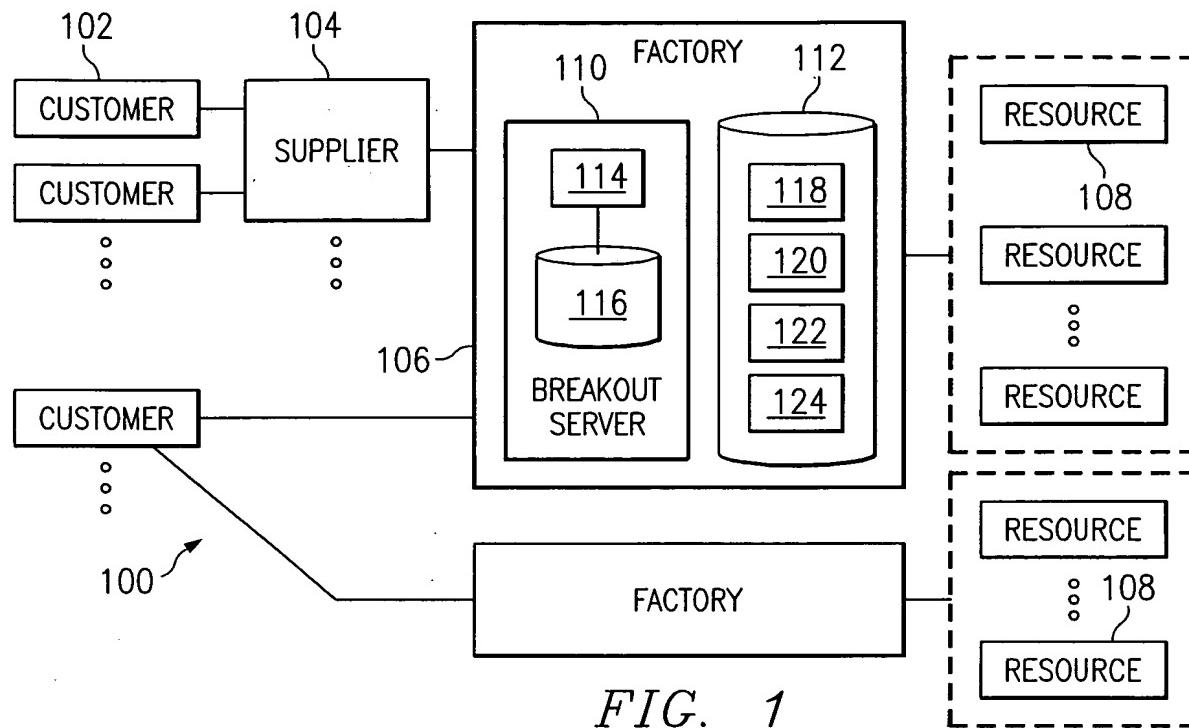


FIG. 1

A table showing production data for various items across different buckets. The columns are labeled: ITEM, QUANTITY, BUCKET, PRECURSOR(S), PRODUCTION RESOURCE, and TARGET RESOURCE.

	ITEM	QUANTITY	BUCKET	PRECURSOR(S)	PRODUCTION RESOURCE	TARGET RESOURCE
202a	B	500	8	D, E	108c	108a
202b	B	450	9	D, E	108c	108a
202c	C	250	7	E, F	108c	108a
202d	C	250	10	E, F	108c	108a
202e	D	800	7	G	108e	108c
202f	D	700	8	G	108e	108c
202g	E	500	6	H, I	108e	108c
202h	E	500	7	H, I	108f	108c
202i	E	450	8	H, I	108f	108c
202j	E	500	9	H, I	108e	108c
202k	F	1,000	6	H, I, J	108f	108c
202l	F	950	9	H, I, J	108f	108c

FIG. 2

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FIG. 3

PRECURSOR	QUANTITY PER UNIT OF PRODUCT
H	2.0
I	0.5
J	1.0

302 → 300 ↗

210 ↘ 304

FIG. 4

ATTRIBUTE	WEIGHT
IMPORTANCE OF ENTITY PLACING ORDER	70%
PRIORITY OF ORDER	30%

402 → 400 ↗

404 ↘ 406

FIG. 7

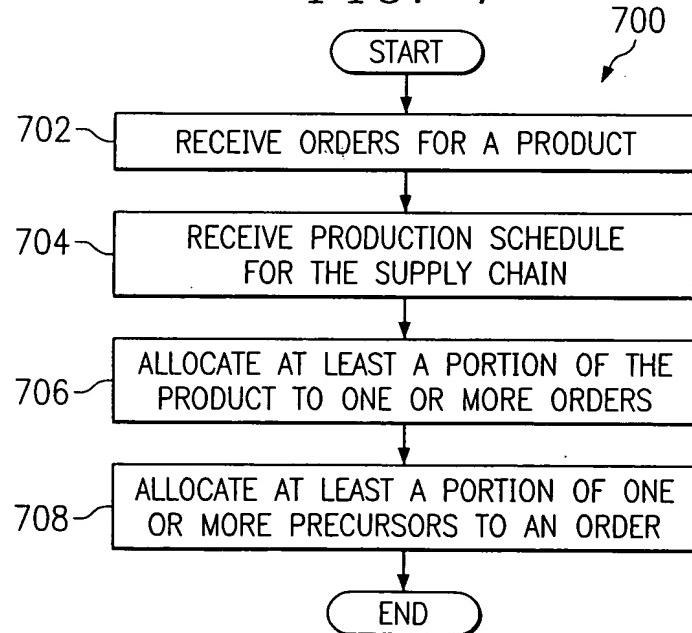
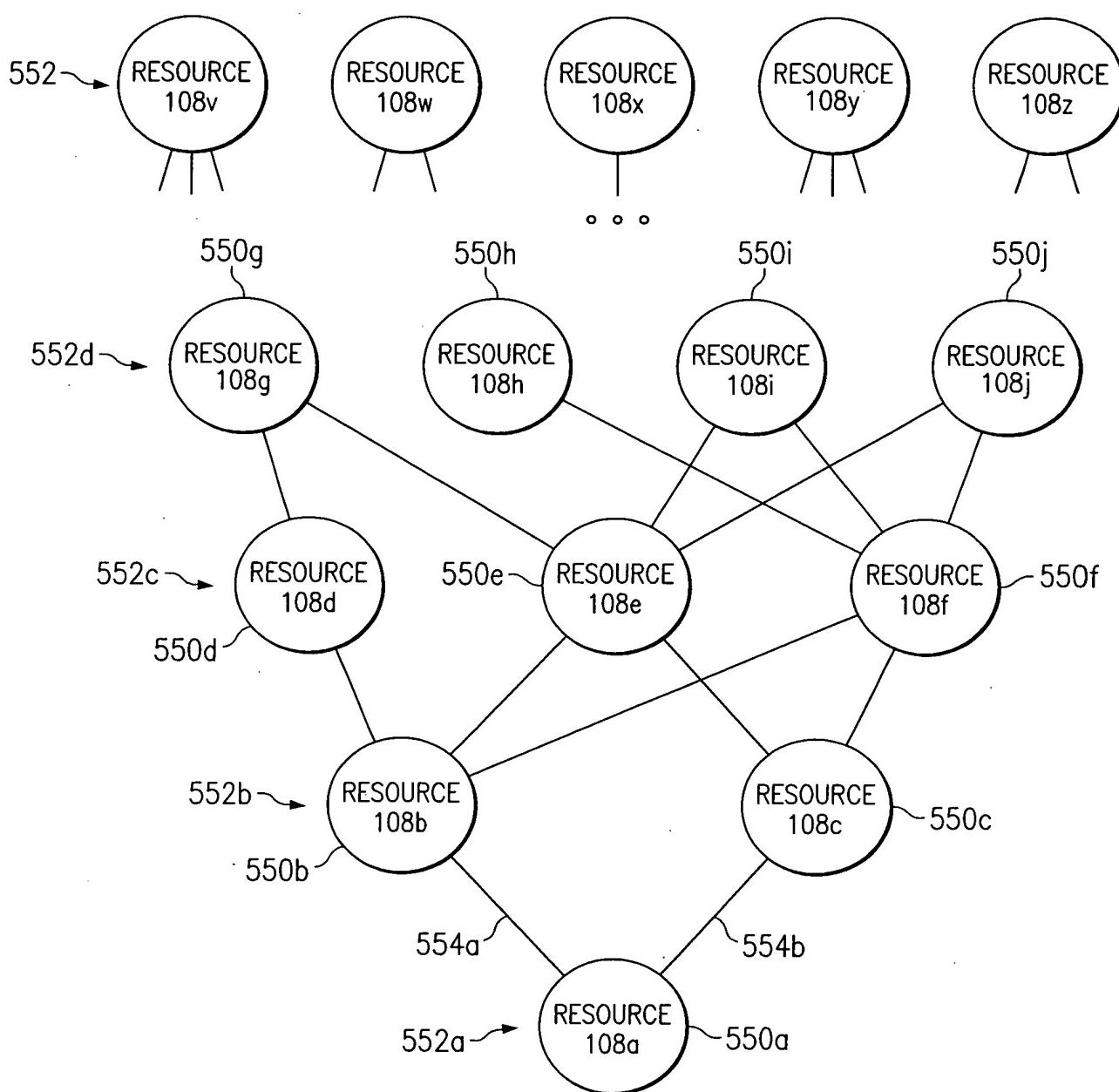
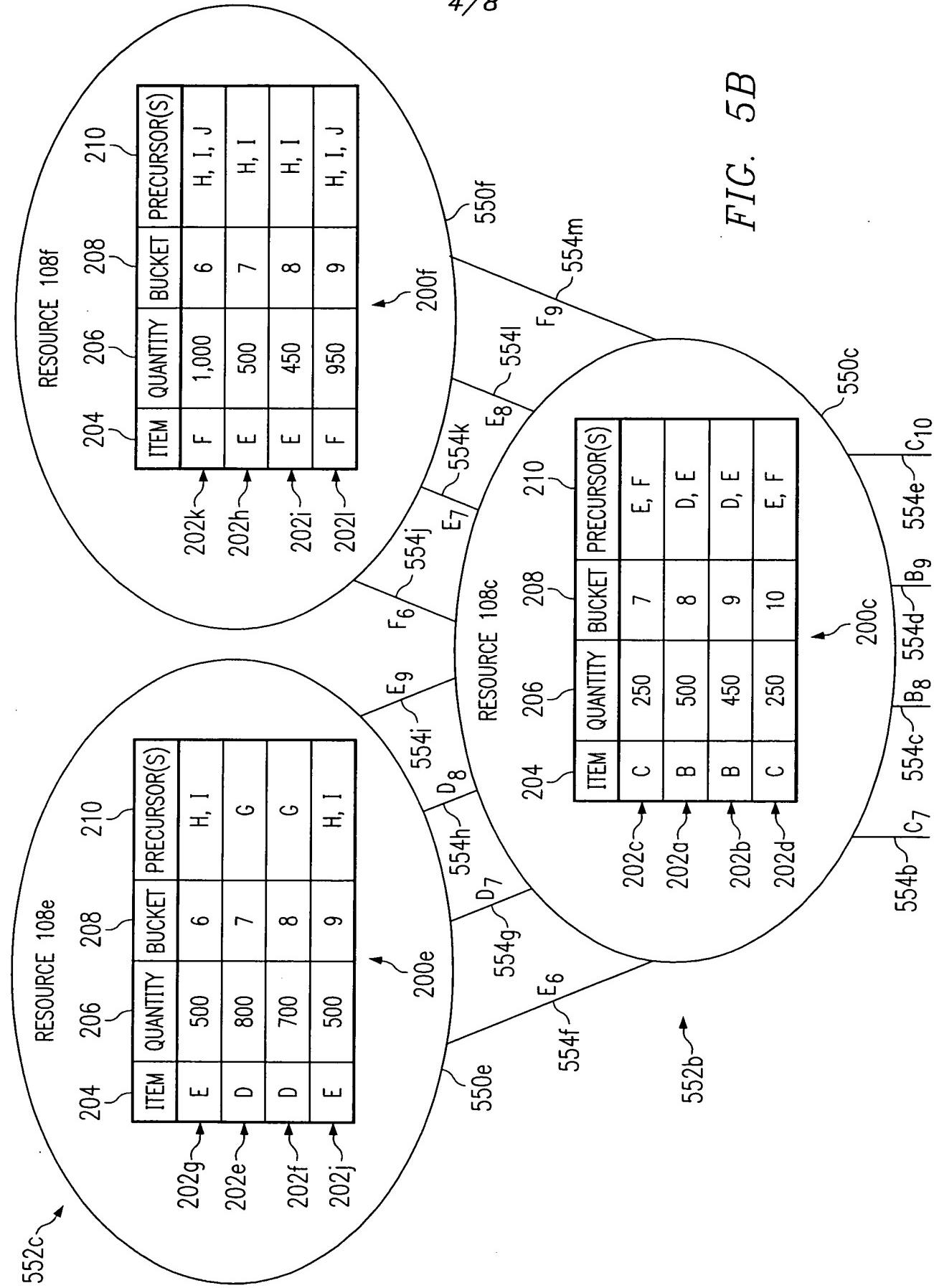


FIG. 5A



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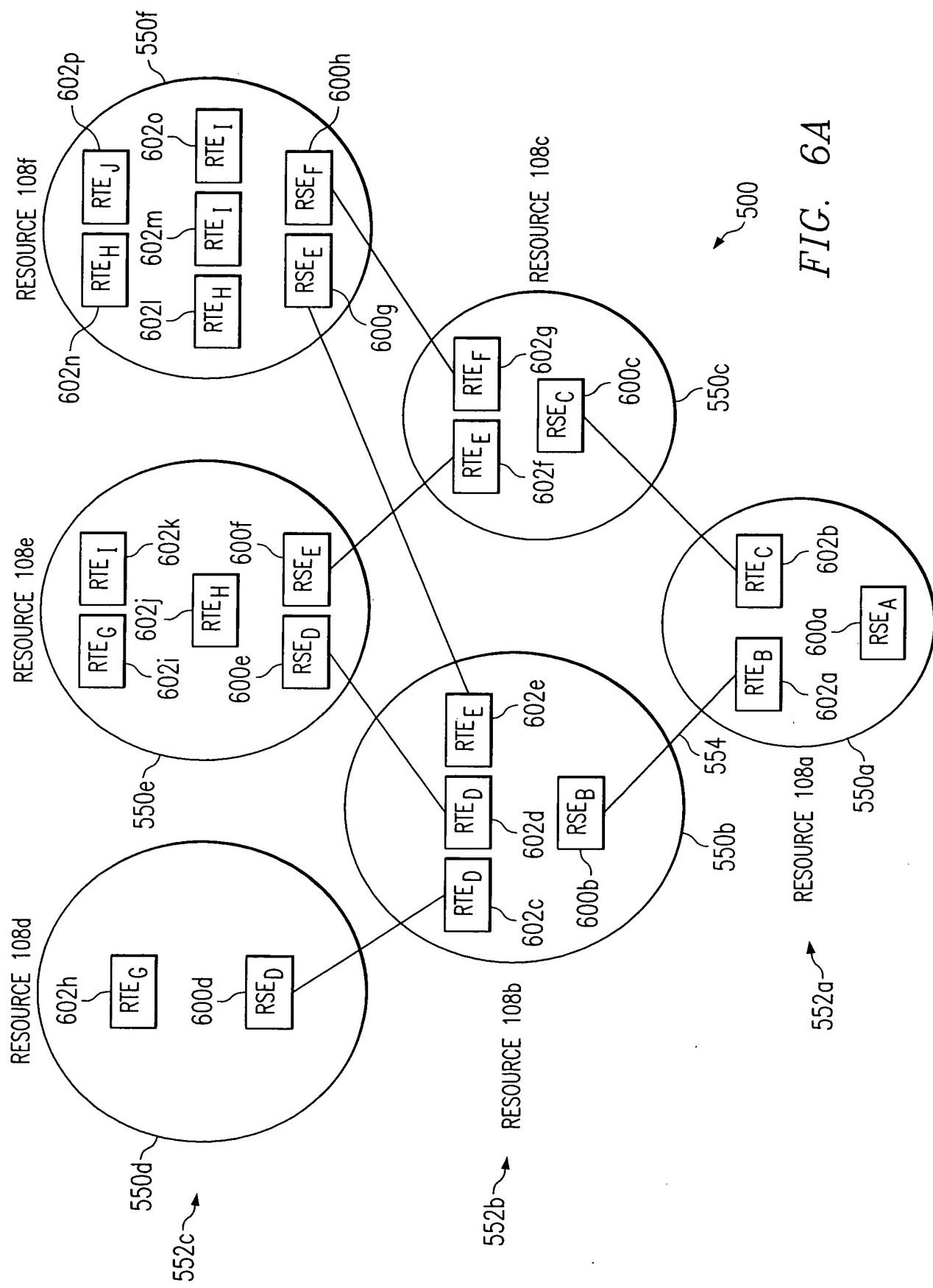
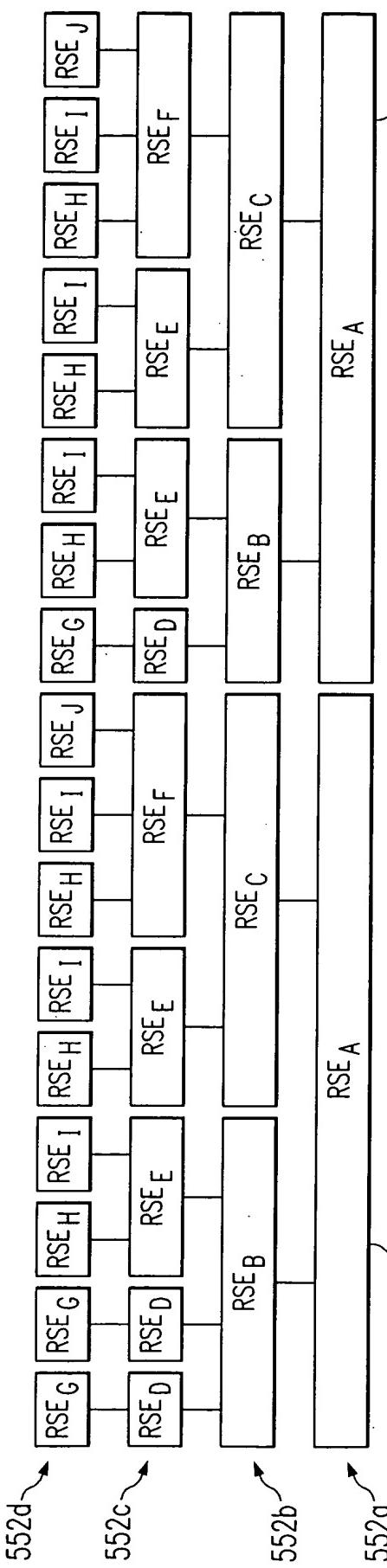


FIG. 6A

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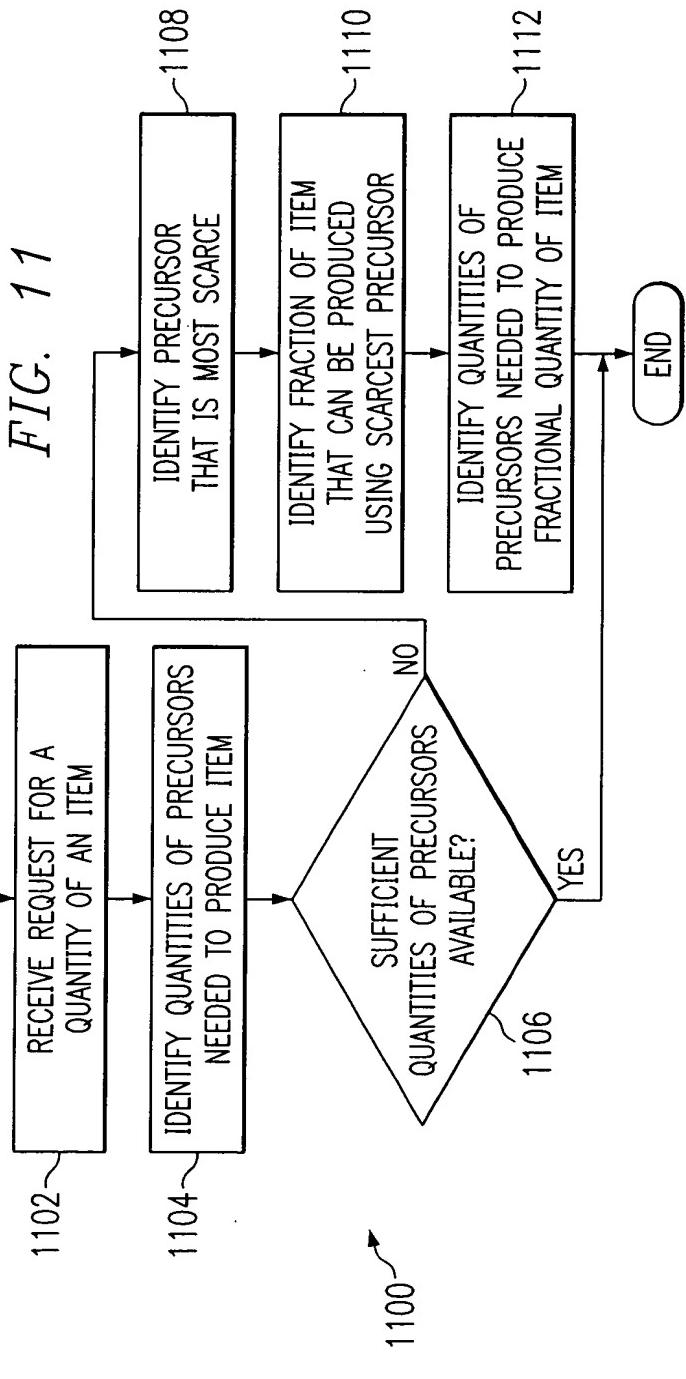


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FIG. 6B

FIG. 11

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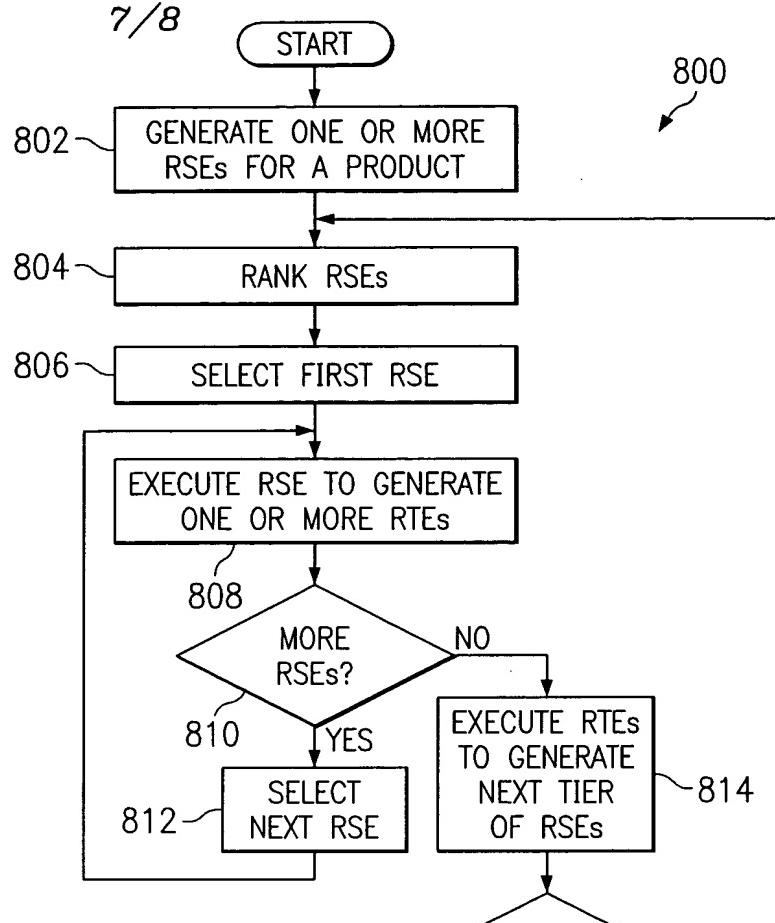


FIG. 8

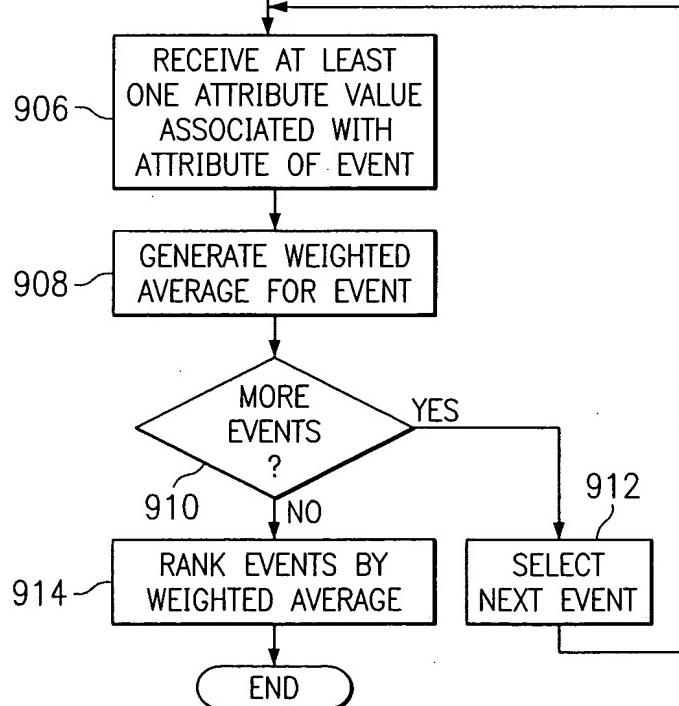


FIG. 9

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FIG. 10

